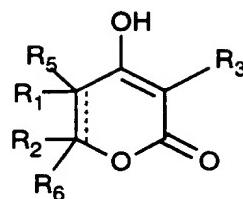


CLAIMS

1. A compound of the formula I

5



I

wherein R_1 is H;

10 wherein R_2 is

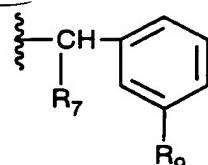
- a) C_3-C_5 alkyl,
- b) phenyl- $(CH_2)_2-$,
- c) het- $SO_2NH-(CH_2)_2-$,
- d) cyclopropyl- $(CH_2)_2-$,
- e) F-phenyl- $(CH_2)_2-$,
- f) het- SO_2NH -phenyl-, or
- g) $F_3C-(CH_2)_2-$;

15

or wherein R_1 and R_2 taken together are a double bond;

wherein R_3 is the moiety of formula X

20



X

25 wherein R_4 is

30

- a) phenyl,
- b) het,
- c) cyclopropyl,
- d) $H_3C-[O(CH_2)_2]_2-$,
- e) het- SO_2NH- ,
- f) Br-,
- g) N_3- , or
- h) $HO_3S(CH_2)_2-N(CH_3)-C(O)-(CH_2)_6-C(O)-NH-$;

wherein R_5 is -H;

35 wherein R_6 is

- a) $R_4-(CH_2)_n-CH(R_8)-$,
- b) $H_3C-[O(CH_2)_2]_2-CH_2-$,
- c) C_3-C_5 alkyl,
- d) phenyl- $(CH_2)_2-$,
- 5 e) het- $SO_2NH-(CH_2)_2-$,
- f) $(HOCH_2)_3C-NH-C(O)-NH-(CH_2)_3-$,
- g) $(HO_2C)(H_2N)CH-(CH_2)_2-C(O)-NH-(CH_2)_3-$,
- h) piperazin-1-yl-C(O)-NH-($CH_2)_3$,
- i) $HO_3S(CH_2)_2-N(CH_3)-C(O)-(CH_2)_6-C(O)-NH-(CH_2)_3-$,
- 10 j) cyclopropyl- $(CH_2)_2-$,
- k) F-phenyl- $(CH_2)_2-$,
- l) het- SO_2NH -phenyl, or
- m) $F_3C-(CH_2)_2-$;

wherein n is zero (0), one (1) or two (2);

15 wherein R_7 is

- a) cyclopropyl,
- b) CH_3-CH_2- , or
- c) t-butyl;

wherein R_8 is

- 20 a) $-CH_2-CH_3$, or
- b) $-CH_2$ -cyclopropyl;

wherein R_9 is

- a) $-NR_{12}SO_2-het$,
- b) $-NR_{12}SO_2$ -phenyl substituted by zero (0) or one (1) R_{11} ,
- 25 c) $-CH_2-SO_2$ -phenyl substituted by zero (0) or one (1) R_{11} , or
- d) $-CH_2-SO_2-het$;

wherein het is a 5-, 6- or 7-membered saturated or unsaturated ring containing from one (1) to three (3) heteroatoms selected from the group consisting of nitrogen, oxygen and sulfur; and including any bicyclic group in which any of the above

30 heterocyclic rings is fused to a benzene ring or another heterocycle; substituted by zero (0) or one (1) R_{10} ;

wherein R_{10} is

- a) $-CH_3$,
- b) $-CN$,
- 35 c) $-OH$,

- d) $-\text{C}(\text{O})\text{OC}_2\text{H}_5$,
- e) $-\text{CF}_3$,
- f) $-\text{NH}_2$, or
- g) $-\text{C}(\text{O})\text{NH}_2$;

5 wherein R_{11} is

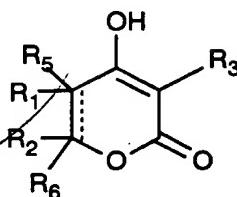
- a) $-\text{CN}$,
- b) $-\text{F}$,
- c) $-\text{OH}$, or
- d) $-\text{NO}_2$;

10 wherein R_{12} is

- a) $-\text{H}$, or
- b) $-\text{CH}_3$;

or a pharmaceutically acceptable salt thereof.

15 2. The compound of claim 1 of the formula I



I

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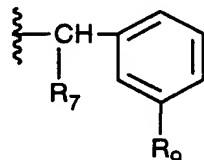
wherein R_1 is H ;

wherein R_2 is

- a) $\text{C}_3\text{-C}_5$ alkyl,
- b) phenyl- $(\text{CH}_2)_2$ -, or
- c) het- $\text{SO}_2\text{NH}-(\text{CH}_2)_2$;

25 or wherein R_1 and R_2 taken together are a double bond;

wherein R_3 is the moiety of formula X



X

30

wherein R_4 is

35 a) phenyl,

- b) het,
- c) cyclopropyl,
- d) $\text{H}_3\text{C}-[\text{O}(\text{CH}_2)_2]_2-$,
- e) het- $\text{SO}_2\text{NH}-$,
- 5 f) $\text{Br}-$,
- g) N_3^- , or
- h) $\text{HO}_3\text{S}(\text{CH}_2)_2-\text{N}(\text{CH}_3)-\text{C}(\text{O})-(\text{CH}_2)_6-\text{C}(\text{O})-\text{NH}-$;

wherein R_5 is -H;

wherein R_6 is

- 10 a) $\text{R}_4-(\text{CH}_2)_n-\text{CH}(\text{R}_8)-$,
- b) $\text{H}_3\text{C}-[\text{O}(\text{CH}_2)_2]_2-\text{CH}_2-$,
- c) C_3-C_5 alkyl,
- d) phenyl- $(\text{CH}_2)_2-$,
- e) het- $\text{SO}_2\text{NH}-(\text{CH}_2)_2-$,
- 15 f) $(\text{HOCH}_2)_3\text{C}-\text{NH}-\text{C}(\text{O})-\text{NH}-(\text{CH}_2)_3-$,
- g) $(\text{HO}_2\text{C})(\text{H}_2\text{N})\text{CH}-(\text{CH}_2)_2-\text{C}(\text{O})-\text{NH}-(\text{CH}_2)_3-$,
- h) piperazin-1-yl-C(O)-NH-(CH₂)₃, or
- i) $\text{HO}_3\text{S}(\text{CH}_2)_2-\text{N}(\text{CH}_3)-\text{C}(\text{O})-(\text{CH}_2)_6-\text{C}(\text{O})-\text{NH}-(\text{CH}_2)_3-$;

wherein n is zero (0), one (1) or two (2);

- 20 wherein R_7 is
- a) cyclopropyl,
 - b) CH_3-CH_2- , or
 - c) t-butyl;

wherein R_8 is

- 25 a) $-\text{CH}_2-\text{CH}_3$, or
- b) $-\text{CH}_2$ -cyclopropyl;

wherein R_9 is

- a) $-\text{NR}_{12}\text{SO}_2\text{-het}$,
- b) $-\text{NR}_{12}\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_{11} ,
- 30 c) $-\text{CH}_2-\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_{11} , or
- d) $-\text{CH}_2-\text{SO}_2\text{-het}$;

wherein het is a 5-, 6- or 7-membered saturated or unsaturated ring containing from one (1) to three (3) heteroatoms selected from the group consisting of nitrogen, oxygen and sulfur; and including any bicyclic group in which any of the above heterocyclic rings is fused to a benzene ring or another heterocycle; substituted by

35

zero (0) or one (1) R₁₀;

wherein R₁₀ is

- 5 a) -CH₃,
- b) -CN,
- c) -OH, or
- d) -C(O)OC₂H₅;

wherein R₁₁ is

- 10 a) -CN,
- b) -F,
- c) -OH, or
- d) -NO₂;

wherein R₁₂ is

- 15 a) -H, or
- b) -CH₃;

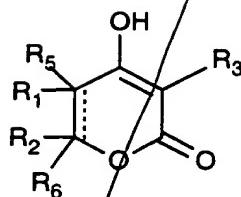
or a pharmaceutically acceptable salt thereof.

3. The compound of claim 2 wherein het is the following, substituted by zero (0) or one (1) R₁₀,

- 20 a) 2-pyridinyl,
- b) imidazol-2-yl,
- c) imidazol-4-yl,
- d) benzimidazol-2-yl,
- e) quinolin-8-yl,
- f) quinolin-2-yl,
- 25 g) pyrimidin-2-yl,
- h) quinazolin-2-yl,
- i) purin-6-yl,
- j) thiazol-2-yl,
- k) thiazol-4-yl,
- 30 l) 2-pyrazolyl,
- m) 2-pyrazinyl,
- n) tetrahydropyran-4-yl, or
- o) tetrahydropyran-8-yl.

35 4. The compound of claim 3 of the formula I

5



I

wherein R_1 is H-;

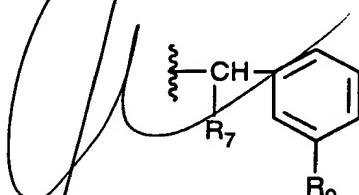
wherein R_2 is

- 10 a) $H_3C-(CH_2)_2-$,
- b) phenyl- $(CH_2)_2-$,
- c) $(CH_3)_2CH-CH_2$, or
- d) pentyl;

or wherein R_1 and R_2 taken together are a double bond;

wherein R_3 is the moiety of formula X)

15



X

20

wherein R_4 is

- a) phenyl,
- b) het,
- c) cyclopropyl,
- 25 d) $H_3C-[O(CH_2)_2]_2-$,
- e) het- SO_2NH- ,
- f) Br-,
- g) N_3- , or
- h) $HO_3S(CH_2)_2-N(CH_3)-C(O)-(CH_2)_6-C(O)-NH-$;

30 wherein R_5 is -H;

wherein R_6 is

- a) $R_4-(CH_2)_n-CH(R_8)-$,
- b) $H_3C-[O(CH_2)_2]_2-CH_2-$,
- c) $H_3C-(CH_2)_2-$,
- 35 d) phenyl- $(CH_2)_2-$,

- e) $(CH_3)_2CH-CH_2-$, or
f) pentyl;

wherein n is zero (0), one (1) or two (2);

wherein R_7 is

- 5 a) cyclopropyl, or
b) CH_3-CH_2- ;

wherein R_8 is

- a) $-CH_2-CH_3$, or
b) $-CH_2$ -cyclopropyl;

10 wherein R_9 is

- a) $-NHSO_2-$ het, or
b) $-NHSO_2-$ phenyl substituted by zero (0) or one (1) R_{11} ;

wherein het is the following, substituted by zero (0) or one (1) R_{10} :

- 15 a) 2-pyridinyl,
b) imidazol-2-yl,
c) imidazol-4-yl,
d) quinolin-8-yl,
e) tetrahydropyran-4-yl,
f) tetrahydropyran-3-yl, or
20 g) benzimidazol-2-yl;

wherein R_{10} is

- a) $-CH_3$;

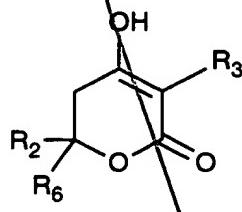
wherein R_{11} is

- 25 a) $-CN$,
b) $-F$ or
c) $-NO_2$;

or a pharmaceutically acceptable salt thereof.

5. The compound of claim 4 of the formula VI

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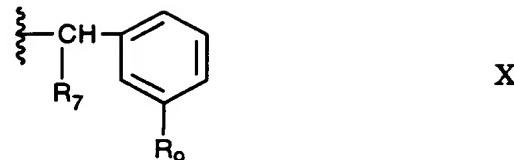
VI

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wherein R_2 is

- a) $H_3C-(CH_2)_2-$,
- b) phenyl- $(CH_2)_2-$,
- c) $(CH_3)_2CH-CH_2-$, or
- 5 d) pentyl;

wherein R_3 is the moiety of formula X



10

wherein R_6 is

- a) $H_3C-(CH_2)_2-$,
- b) phenyl- $(CH_2)_2-$,
- 15 c) $(CH_3)_2CH-CH_2-$, or
- d) pentyl;

wherein R_7 is

- a) CH_3-CH_2- , or
 - b) cyclopropyl;
- 20 wherein R_9 is
- a) $-NHSO_2$ -phenyl substituted by one (1) R_{11} , or
 - b) $-NHSO_2$ -het;

wherein het is the following, substituted by zero (0) or one (1) R_{10} ,

- a) imidazol-4-yl, or
- 25 b) quinolin-8-yl;

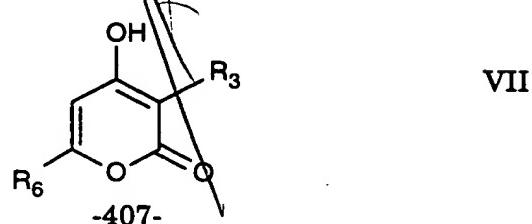
wherein R_{10} is $-CH_3$;

wherein R_{11} is

- a) $-CN$, or
- b) $-F$.

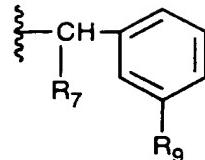
30

6. The compound of claim 4 of the formula VII



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wherein R₃ is the moiety of formula X



X

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wherein R₄ is

- 10 a) phenyl,
- b) het,
- c) cyclopropyl,
- d) H₃C-[O(CH₂)₂]₂-,
- e) het-SO₂NH-,
- f) Br-,
- 15 g) N₃-, or
- h) HO₃S(CH₂)₂-N(CH₃)-C(O)-(CH₂)₆-C(O)-NH-;

wherein R₆ is

- a) R₄-(CH₂)_n-CH(R₈)-, or
- b) H₃C-[O(CH₂)₂]₂-CH₂-;

20 wherein R₇ is cyclopropyl;

wherein R₈ is

- a) -CH₂-CH₃, or
- b) -CH₂-cyclopropyl;

wherein R₉ is

- 25 a) -NHSO₂-het, or
- b) -NHSO₂-phenyl substituted by one (1) R₁₁;

wherein n is zero (0), one (1) or two (2);

wherein het is the following, substituted by zero (0) or one (1) R₁₀,

- 30 a) imidazol-4-yl,
- b) imidazol-2-yl,
- c) quinolin-8-yl,
- d) tetrahydropyran-3-yl,
- e) tetrahydropyran-4-yl,
- f) 2-pyridinyl, or
- 35 g) benzimidazol-2-yl;

wherein R₁₀ is -CH₃;

wherein R₁₁ is

- 5 a) -NO₂,
- b) -F, or
- c) -CN;

or a pharmaceutically acceptable salt thereof.

7. The compound of claim 2 selected from the group consisting of:

- 10 3-[cyclopropyl[3-[(4-cyanophenylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;
- 15 3-[cyclopropyl[3-[(2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;
- 20 3-[cyclopropyl[3-[(1-methyl-4-imidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;
- 25 3-[cyclopropyl[3-[(5-cyano-2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;
- 30 3-[cyclopropyl[3-[(2-benzimidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-(2-phenylethyl)-6-(1-propyl)-5,6-dihydro-2H-pyran-2-one;
- 35 4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-8-quinolinesulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-8-quinolinesulfonamide;

N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazolesulfonamide;

4-Fluoro-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;

4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;

35 N-[3-[1-(4-hydroxy-6,6-diisobutyl-2-oxo-5,6-dihydro-2H-pyran-3-yl)-propyl]-

- phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazolesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclo-
- 5 propylmethyl]-phenyl]-8-quinolinesulfonamide;
- 4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-benzenesulfonamide;
- 4-Fluoro-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-benzenesulfonamide;
- 10 (R or S)-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-8-quinolinesulfonamide;
- (R or S)-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- (S or R)-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-
- 15 propyl]-phenyl]-8-quinolinesulfonamide;
- (S or R)-N-[3-[1-(4-hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- (R or S)-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 20 (S or R)-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipropyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 4-Cyano-N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-benzenesulfonamide;
- 4-Fluoro-N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-
- 25 3-yl)-cyclopropylmethyl]-phenyl]-benzenesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-8-quinolinesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 30 N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-cyclopropylmethyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipentyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 35 4-Cyano-N-[3-[1-(4-Hydroxy-2-oxo-6,6-dipentyl-5,6-dihydro-2H-pyran-3-yl)-
- propyl]-phenyl]-benzenesulfonamide;

- N-[3-[1(*R* or *S*)-(6(*R* or *S*)-4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide;
- N-[3-[1(*R* or *S*)-(6(*S* or *R*)-4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide;
- 5 N-[3-[1(*S* or *R*)-(6(*R* or *S*)-4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide;
- N-[3-[1(*S* or *R*)-(6(*S* or *R*)-4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide;
- 10 N-[3-[*t*-Butyl-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-methyl]-phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide;
- 4-Cyano-N-[3-[*t*-butyl-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-methyl]-phenyl]-benzenesulfonamide;
- 4-Fluoro-N-[3-[*t*-butyl-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-methyl]-phenyl]-benzenesulfonamide;
- 15 N-[3-[*t*-Butyl-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-methyl]-phenyl]-8-quinolinesulfonamide;
- N-[3-[1-(6-(2-(1-Methyl-1*H*-imidazole-4-sulfonylamino)-ethyl)-4-hydroxy-2-oxo-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide;
- 20 N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyridinesulfonamide;
- 4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyridinesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-quinolinesulfonamide;
- 25 2-Hydroxy-N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyrimidinesulfonamide;
- 30 N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-quinazolinesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-7*H*-purine-6-sulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1*H*-imidazole-2-sulfonamide;

- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1H-benzimidazole-2-sulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-thiazole-4-sulfonamide;
- 5 N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyridinesulfonamide;
- 4-Cyano-N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyridinesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-quinolinesulfonamide;
- 10 2-Hydroxy-N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-pyrimidinesulfonamide;
- 15 N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-2-quinazolinesulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-7H-purine-6-sulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1H-imidazole-2-sulfonamide;
- 20 N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-1H-benzimidazole-2-sulfonamide;
- N-[3-[1-(4-Hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-thiazole-4-sulfonamide;
- 25 4-Fluoro-N-[3-[1-(4-hydroxy-2-oxo-6-phenethyl-6-propyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-benzenesulfonamide;
- 5-cyano-N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-pyridinesulfonamide;
- N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-quinolinesulfonamide;
- 30 N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-imidazolesulfonamide;
- N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-pyrimidinesulfonamide;
- 35 N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-

- phenyl]-N-methyl-2-benzimidazolesulfonamide;
- N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-quinazolinesulfonamide;
- N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-6-purinesulfonamide;
- N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-4-thiazolesulfonamide;
- N-[3-[1-(4-hydroxy-2-oxo-6,6-diphenethyl-5,6-dihydro-2H-pyran-3-yl)-propyl]-phenyl]-N-methyl-2-pyridinesulfonamide;
- 10 N-[3-(1-[5,6-Dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-(1(S)-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-(1(R)-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 15 N-[3-(1(S)-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-(1(R)-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 20 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide;
- 25 5-Cyano-N-[3-(1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide;
- N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-phenethyl-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide; and
- N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide.
- 30 8. The compound of claim 2 selected from the group consisting of:
- 3-[cyclopropyl[3-[(4-cyanophenylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;
- 3-[cyclopropyl[3-[(2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;

- 3-[cyclopropyl[3-[(1-methyl-4-imidazolylsulfonyl)methyl]phenyl] methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;
- 3-[cyclopropyl[3-[(5-cyano-2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;
- 5 3-[cyclopropyl[3-[(2-benzimidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;
- 3-[cyclopropyl[3-[(2-quinolinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-6-[1-(phenylmethyl)propyl]-2H-pyran-2-one;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-4-fluoro-benzenesulfonamide;
- 10 4-Cyano-N-(3-{cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-benzenesulfonamide;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-8-quinolinesulfonamide;
- 15 N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- (R or S)-N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- (R or S)-N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 20 hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;
- 25 N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-benzimidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-imidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[6-(2-cyclopropyl-1-cyclopropylmethyl-ethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-quinolinesulfonamide;
- 30 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-{2-methoxy-ethoxy}-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethyl-3-{2-methoxy-ethoxy}-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 35 4-Cyano-N-(3-{cyclopropyl-[6-(1-ethyl-3-{2-methoxy-ethoxy}-propyl)-4-hydroxy-

- 2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-benzenesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethyl-3-{1-methyl-1H-imidazole-4-sulfonylamino}-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 5 N-(3-{[6-(3-Bromo-1-ethyl-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-cyclopropyl-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-{[6-(3-Azido-1-ethyl-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-cyclopropyl-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 10 2-[[8-[[3-[3-[Cyclopropyl[3-[(1-methyl-1H-imidazol-4-yl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]pentyl]amino]-1,8-dioxooctyl]methylamino]-ethane sulfonic acid, monosodium salt;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis{hydroxymethyl}-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-benzenesulfonamide;
- 15 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis{hydroxymethyl}-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis{hydroxymethyl}-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-imidazole-2-sulfonamide;
- 20 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis{hydroxymethyl}-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-benzoimidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis{hydroxymethyl}-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-imidazole-4-sulfonamide;
- 25 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis{hydroxymethyl}-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(2-hydroxy-1,1-bis{hydroxymethyl}-ethyl)-amino]-carbonyl)-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;
- 30 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-{ γ -L-glutamyl}-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-benzenesulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-{ γ -L-glutamyl}-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-{ γ -L-glutamyl}-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-imidazole-sulfonamide;

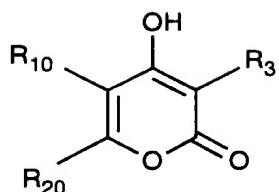
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-{ γ -L-glutamyl}-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-benzoimidazole-sulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-{ γ -L-glutamyl}-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 5 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-{ γ -L-glutamyl}-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(piperazin-1-yl)-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-benzenesulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(piperazin-1-yl)-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;
- 10 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(piperazin-1-yl)-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-imidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(piperazin-1-yl)-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-benzoimidazole-2-sulfonamide;
- 15 N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(piperazin-1-yl)-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxy-6-(3-[(piperazin-1-yl)-carbonyl]-amino-propyl)-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;
- 20 2-[[8-[[3-[3-[Cyclopropyl[3-[[phenylsulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-dioxooctyl]methylamino]-ethanesulfonic acid, monosodium salt;
- 25 2-[[8-[[3-[3-[Cyclopropyl[3-[[((2-pyridyl)sulfonyl]amino)phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-dioxooctyl]methylamino]-ethane sulfonic acid, monosodium salt;
- 30 2-[[8-[[3-[3-[Cyclopropyl[3-[[[(1H-benzimidazol-2-yl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-dioxooctyl]methylamino]-ethanesulfonic acid, monosodium salt;
- 35 2-[[8-[[3-[3-[Cyclopropyl[3-[[[(1-methyl-1H-imidazol-4-yl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-dioxooctyl]methylamino]-ethanesulfonic acid, monosodium salt;
- 2-[[8-[[3-[3-[Cyclopropyl[3-[[[(1-methyl-1H-imidazol-2-yl)sulfonyl]amino]phenyl]methyl]-4-hydroxy-2-oxo-2H-pyran-6-yl]propyl]amino]-1,8-

- dioxooctyl[methylamino]-ethane sulfonic acid, monosodium salt;
- N-(3-[Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl]-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-[Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 5 N-(3-(R or S)-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-(R or S)-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 10 N-(3-(R or S)-(Cyclopropyl-[6-(1-(S)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-(R or S)-(Cyclopropyl-[6-(1-(S)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-(R or S)-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-2-pyridinesulfonamide;
- 15 N-(3-(R or S)-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-2-pyridinesulfonamide;
- N-(3-(R or S)-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;
- 20 N-(3-(R or S)-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;
- N-(3-[Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl]-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1-methyl-1H-imidazole-2-sulfonamide;
- N-(3-[Cyclopropyl[4-hydroxy-2-oxo-6-[1-[(tetrahydro-2H-pyran-3-
- 25 3-yl)methyl]propyl]-2H-pyran-3-yl]methyl]phenyl)-8-quinolinesulfonamide;
- N-(3-[Cyclopropyl[4-hydroxy-2-oxo-6-[1-[(tetrahydro-2H-pyran-3-yl)methyl]propyl]-2H-pyran-3-yl]methyl]phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-benzimidazole-2-sulfonamide;
- 30 N-(3-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-1H-imidazole-2-sulfonamide;
- N-(3-(R or S)-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl)-phenyl)-4-cyanobenzenesulfonamide;
- 35 N-(3-(R or S)-(Cyclopropyl-[6-(1-(R)-ethylphenethyl)-4-hydroxy-2-oxo-2H-

- pyran-3-yl]-methyl}-phenyl)-4-cyanobenzenesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-4-nitrobenzenesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-4-cyano-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-quinolinesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-hydroxybenzenesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyrazolesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-quinazolinesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-7H-purine-6-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-imidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-benzimidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-thiazole-4-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-4-ethoxycarbonyl-1H-imidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-tetrahydropyran-4-ylmethyl)-propyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-3-hydroxy-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-4-cyano-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-quinolinesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-hydroxybenzenesulfonamide;

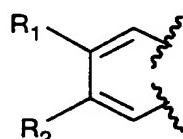
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-pyrazolesulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-2-quinazolinesulfonamide;
- 5 N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-7H-purine-6-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-1H-imidazole-2-sulfonamide;
- 10 N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-benzimidazole-2-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-thiazole-4-sulfonamide;
- N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-4-ethoxycarbonyl-1H-imidazole-2-sulfonamide;
- 15 N-(3-{Cyclopropyl-[6-(1-ethylphenethyl)-4-hydroxy-2-oxo-2H-pyran-3-yl]-methyl}-phenyl)-3-hydroxy-2-pyridinesulfonamide;
- 5-cyano-N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-pyridinesulfonamide;
- N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-
20 methyl-2-quinolinesulfonamide;
- N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-imidazolesulfonamide;
- N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-pyrimidinesulfonamide;
- 25 N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-benzimidazolesulfonamide;
- N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-quinazolinesulfonamide;
- N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-
30 methyl-6-purinesulfonamide;
- N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-4-thiazolesulfonamide; and
- N-[6-(1'-benzylpropyl)-4-hydroxy-3-(1'-cyclopropylmethylphenyl)-2-pyrone]-N-methyl-2-pyridinesulfonamide.

9. A compound of the formula II

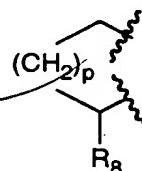


wherein R_{10} and R_{20} taken together are

- a) the moiety of formula III, or



- 15 b) the moiety of formula IV;



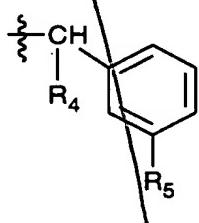
wherein p is four (4);

wherein R_1 is -H;

wherein R_2 is

- 25 a) H-,
b) CH_3O- , or
c) $CH_3O-[CH_2)_2O]_3-$;

wherein R_3 is the moiety of formula V



35 wherein R_4 is

- a) cyclopropyl, or
- b) $-\text{CH}_2\text{-CH}(\text{CH}_3)_2$;

wherein R_5 is

- a) $-\text{NR}_9\text{SO}_2$ -phenyl substituted by zero (0) or one (1) R_6 ,
- 5 b) $-\text{NR}_9\text{SO}_2$ -het,
- c) $-\text{CH}_2\text{-SO}_2$ -phenyl substituted by zero (0) or one (1) R_6 , or
- d) $-\text{CH}_2\text{-SO}_2$ -het;

wherein R_6 is

- 10 a) $-\text{CN}$,
- b) $-\text{F}$,
- c) $-\text{CH}_3$,
- d) $-\text{COOH}$, or
- e) $-\text{OH}$;

wherein het is a 5-, 6- or 7-membered saturated or unsaturated ring containing from
15 one (1) to three (3) heteroatoms selected from the group consisting of nitrogen, oxygen and sulfur; and including any bicyclic group in which any of the above heterocyclic rings is fused to a benzene ring or another heterocycle; substituted by zero (0), one (1) or two (2) R_7 ;

wherein R_7 is

- 20 a) $-\text{CH}_3$,
- b) $-\text{CN}$,
- c) $-\text{C}(\text{O})\text{OC}_2\text{H}_5$, or
- d) $-\text{OH}$;

wherein R_8 is

- 25 a) $-\text{H}$,
- b) $-(\text{CH}_2)_2\text{-CH}_3$,
- c) $-\text{CH}_2\text{-cyclopropyl}$, or
- d) $-\text{CH}_2\text{-phenyl}$;

wherein R_9 is

- 30 a) $-\text{H}$, or
- b) $-\text{CH}_3$;

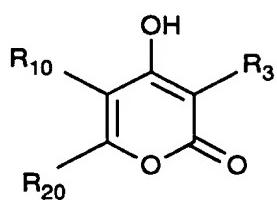
or a pharmaceutically acceptable salt thereof.

10. A compound of claim 9 wherein het is the following, substituted by zero (0) or
35 one (1) R_7 ,

- a) 2-pyridinyl,
- b) 4-pyridinyl,
- c) imidazol-2-yl,
- d) imidazol-4-yl,
- 5 e) benzimidazol-2-yl,
- f) quinolin-8-yl,
- g) quinolin-2-yl,
- h) pyrimidin-2-yl,
- i) quinazolin-2-yl,
- 10 j) purin-6-yl,
- k) thiazol-2-yl,
- l) thiazol-4-yl,
- m) 2-pyrazolyl,
- n) 2-pyrazinyl,
- 15 o) tetrahydropyran-4-yl, or
- p) tetrahydropyran-3-yl.

11. The compound of claim 10 of the formula II

20

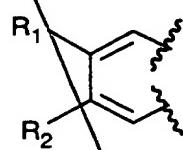


II

25 wherein R₁₀ and R₂₀ taken together are

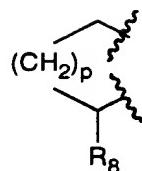
- a) the moiety of formula III, or

30



III

b) the moiety of formula IV;



IV

5

wherein p is four (4);

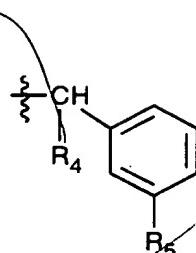
wherein R1 is -H;

wherein R2 is

10 a) CH₃O-, or

b) CH₃O[(CH₂)₂O]₃-;

wherein R₃ is the moiety of formula V



V

15

wherein R₄ is

a) cyclopropyl, or

20 b) -CH₂-CH(CH₃)₂;

wherein R₅ is

a) -NR₉SO₂-phenyl substituted by zero (0) or one (1) R₆,

b) -NR₉SO₂-het,

c) -CH₂-SO₂-phenyl substituted by zero (0) or one (1) R₆, or

25 d) -CH₂-SO₂-het;

wherein R₆ is

a) -CN,

b) -F,

c) -CH₃, or

30 d) -COOH;

wherein het is the following, substituted by zero (0) or one (1) R₇,

a) imidazol-4-yl,

b) quinolin-8-yl,

c) 2-pyridinyl, or

35 d) 4-pyridinyl;

wherein R₇ is -CH₃;

wherein R₈ is

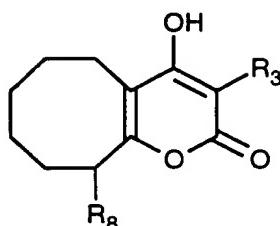
- a) -H, or
- b) -(CH₂)₂-CH₃;

5 wherein R₉ is

- a) -H, or
- b) -CH₃;

or a pharmaceutically acceptable salt thereof.

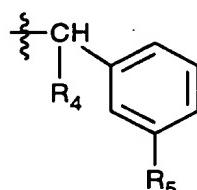
10 12. The compound of claim 11 of the formula VIII



VIII

15

wherein R₃ is the moiety of formula V



V

20

wherein R₄ is

- 25
- a) cyclopropyl,
 - b) -CH₂-CH(CH₃)₂;

wherein R₅ is

- a) -NR₉SO₂-phenyl substituted by zero (0) or one (1) R₆,
- b) -NR₉SO₂-het, or
- 30 c) -CH₂-SO₂-phenyl;

wherein R₆ is

- a) -CN, or
- b) -F;

wherein het is the following, substituted by zero (0) or one (1) R₇,

- 35
- a) 2-pyridinyl,

- b) 4-pyridinyl, or
c) imidazol-4-yl;

wherein R₇ is -CH₃;

wherein R₈ is

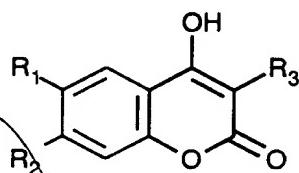
- 5 a) -H, or
b) -(CH₂)₂-CH₃;

wherein R₉ is

- a) -H, or
b) -CH₃;

10 or a pharmaceutically acceptable salt thereof.

13. The compound of claim 11 of the formula IX



IX

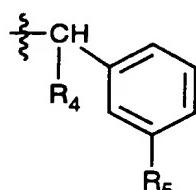
15

wherein R₁ is H-;

wherein R₂ is

- 20 a) CH₃O-, or
b) CH₃O-[(CH₂)₂O]₃-,

wherein R₃ is the moiety of formula V



V

25

wherein R₄ is cyclopropyl;

30 wherein R₅ is -NHSO₂-het;

wherein het is the following, substituted by zero (0) or one (1) R₇,

- a) imidazol-4-yl,
b) 2-pyridinyl, or
c) quinolin-8-yl;

35 wherein R₇ is -CH₃.

14. The compound of claim 9 selected from the group consisting of:
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-10-propyl-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]benzenesulfonamide;
- 4-Cyano-N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-(R or S)-10-propyl-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]benzenesulfonamide;
- 4-Cyano-N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-(R or S)-10-cyclopropylmethyl-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]benzenesulfonamide;
- 4-Cyano-N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-(R or S)-10-benzyl-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]benzenesulfonamide;
- N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-(R or S)-10-propyl-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-(R or S)-10-cyclopropylmethyl-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- N-[3-(R or S)-[cyclopropyl(5,6,7,8,9,10-hexahydro-(R or S)-10-benzyl-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- (R or S)-N-[3-(5,6,7,8,9,10-Hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)-3-methylbutyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- (R or S)-N-[3-1-(5,6,7,8,9,10-Hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)-3-methylbutyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;
- 3-[Cyclopropyl[3-[(phenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-Cycloocta[b]pyran-2-one;
- 3-[cyclopropyl[3-[(4-cyanophenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 3-[cyclopropyl[3-[(4-fluorophenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 3-[cyclopropyl[3-[(4-methylphenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 3-[cyclopropyl[3-[(4-carboxyphenylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 3-[cyclopropyl[3-[(2-(1-methylimidazoyl)sulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 35 5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;

- 3-[cyclopropyl[3-[(2-pyrimidinylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 3-[cyclopropyl[3-[(2-pyridinylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 5 3-[cyclopropyl[3-[(1-methyl-4-imidazolylsulfonyl)methyl]phenyl] methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 3-[cyclopropyl[3-[(5-cyano-2-pyridinylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 10 3-[cyclopropyl[3-[(2-benzimidazolylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- 3-[cyclopropyl[3-[(2-quinolinylsulfonyl)methyl]phenyl]methyl]-5,6,7,8,9,10-hexahydro-4-hydroxy-2H-cycloocta[b]pyran-2-one;
- Disodium-4-cyano-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-benzenesulfonamide;
- 15 4-Cyano-N-methyl-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-benzenesulfonamide;
- 4-Fluoro-N-methyl-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-benzenesulfonamide;
- N-methyl-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-
- 20 cycloocta[b]pyran-3-yl)methyl]phenyl]-benzenesulfonamide;
- N-methyl-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-1H-Imidazole-1-methyl-sulfonamide;
- 5-cyano-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-pyridinesulfonamide;
- 25 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-quinolinesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-imidazolesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-
- 30 cycloocta[b]pyran-3-yl)methyl]phenyl]-2-pyrimidinesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-benzimidazolesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-quinazolinesulfonamide;
- 35 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-

- cycloocta[b]pyran-3-yl)methyl]phenyl]-6-purinesulfonamide;
- 5-cyano-N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-pyridinesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-quinolinesulfonamide;
- 5 cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-quinolinesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-imidazolesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-pyrimidinesulfonamide;
- 10 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-benzimidazolesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-2-quinazolinesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-6-purinesulfonamide;
- 15 N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-4-thiazolesulfonamide;
- N-[3-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-N-methyl-2-pyridinesulfonamide;
- 20 2-Pyridylsulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;
- 4-Pyridylsulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;
- 5-Cyanopyridin-2-yl-sulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;
- 25 2-Pyrazinylsulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;
- 2-Pyrimidinylsulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-;
- 30 4-6-Dimethylpyrimidin-2-yl-sulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-; and
- 4-Methylpyrimidin-2-yl-sulfonamide, N-[4-[cyclopropyl(5,6,7,8,9,10-hexahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)methyl]phenyl]-.
- 35 15. The compound of claim 9 selected from the group consisting of:

- 3-[cyclopropyl[3-[(4-cyanophenylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;
- 3-[cyclopropyl[3-[(2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;
- 5 3-[cyclopropyl[3-[(1-methyl-4-imidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;
- 3-[cyclopropyl[3-[(5-cyano-2-pyridinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;
- 10 3-[cyclopropyl[3-[(2-benzimidazolylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;
- 3-[cyclopropyl[3-[(2-quinolinylsulfonyl)methyl]phenyl]methyl]-4-hydroxy-coumarin;
- N-(3-{Cyclopropyl-[7-(2-(2-methoxyethoxy)-ethoxy)ethoxy}-4-hydroxycoumarin-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- 15 N-(3-{Cyclopropyl-[7-methoxy-4-hydroxycoumarin-3-yl]-methyl}-phenyl)-1-methyl-1H-imidazole-4-sulfonamide;
- N-(3-{Cyclopropyl-[7-(2-(2-methoxyethoxy)-ethoxy)ethoxy}-4-hydroxycoumarin-3-yl]-methyl}-phenyl)-8-quinolinesulfonamide;
- N-(3-{Cyclopropyl-[7-(2-(2-methoxyethoxy)-ethoxy)ethoxy}-4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;
- 20 N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-pyridinesulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-4-cyano-2-pyridinesulfonamide;
- 25 N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-quinolinesulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-hydroxybenzenesulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-pyrazolesulfonamide;
- 30 N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-2-quiazolinesulfonamide;
- N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-7H-purine-6-sulfonamide;
- 35 N-(3-{Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl}-phenyl)-1H-imidazole-2-

- sulfonamide;
- N-(3-(Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl)-phenyl)-benzimidazole-2-sulfonamide;
- N-(3-(Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl)-phenyl)-thiazole-4-sulfonamide;
- N-(3-(Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl)-phenyl)-4-ethoxycarbonyl-1H-imidazole-2-sulfonamide;
- N-(3-(Cyclopropyl-[4-hydroxycoumarin-3-yl]-methyl)-phenyl)-3-hydroxy-2-pyridinesulfonamide;
- 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195 1200 1205 1210 1215 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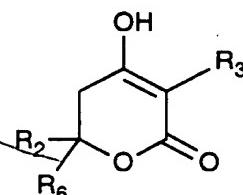
potassium or bis- calcium salt provided that the compound contains $-NHSO_2^-$, $-COOH$, or $-OH$.

19. The compound of claim 18 wherein the salt is a bis-sodium salt.

5

20. The compound of claim 1 of the formula VI

10



VI

wherein R_2 is

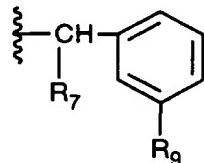
15

- a) $H_3C-CH_2^-$,
- b) $H_3C-(CH_2)_2^-$,
- c) cyclopropyl- $(CH_2)_2^-$,
- d) F-phenyl- $(CH_2)_2^-$,
- e) het- $SO_2^-NH-phenyl$,
- f) $(H_3C)_2HC-CH_2$,
- g) phenyl- $(CH_2)_2^-$, or
- h) $F_3C-(CH_2)_2^-$

20

wherein R_3 is the moiety of formula X

25



X

wherein R_6 is

30

- a) $H_3C-CH_2^-$,
- b) $H_3C-(CH_2)_2^-$,
- c) cyclopropyl- $(CH_2)_2^-$,
- d) F-phenyl- $(CH_2)_2^-$,
- e) het- $SO_2^-NH-phenyl$,
- f) $(H_3C)_2HC-CH_2$,
- g) phenyl- $(CH_2)_2^-$, or
- h) $F_3C-(CH_2)_2^-$

35

wherein R₇ is

- a) H₃C-CH₂-,
- b) t-butyl, or
- c) cyclopropyl

5 wherein R₉ is

- a) -NHSO₂-het, or
- b) -NHSO₂-phenyl substituted by one (1) R₁₁;

wherein het is the following, substituted by zero (0) or one (1) R₁₀,

- a) imidazol-4-yl,
- b) 2-pyridinyl, or
- c) quinolin-8-yl;

wherein R₁₀ is,

- a) -CH₃,
- b) -CN,
- c) -CF₃,
- d) -NH₂, or
- e) -C(O)-NH₂;

wherein R₁₁ is CN.

20 21. The compound of claim 20 selected from the group consisting of:

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide;

25 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide;

30 N-[3-(1-[6,6-Bis-(2-cyclopropyl-ethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-(1-[6,6-Bis-(2-cyclopropyl-ethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-5-cyano-2-pyridinesulfonamide;

N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

35 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-

pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

5 N-(3-[1-(6-Ethyl-5,6-dihydro-4-hydroxy-6-[3-[(1-methyl-1H-imidazol-4-yl)sulfonyl]amino]phenyl]-2-2H-pyran-3-yl)propyl]phenyl)-1-methyl-1H-imidazole-4-sulfonamide;

5-Cyano-N-(3-[1-(6-[3-((5-cyano-2-pyridinyl)sulfonyl]amino)phenyl]-6-ethyl-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl)propyl]phenyl)-2-pyridinesulfonamide;

10 N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-(1-[6,6-Bis-(2-cyclopropyl-ethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethyl-propyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-(1-[6,6-Bis-(2-cyclopropyl-ethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethyl-propyl)phenyl]-5-cyano-2-pyridinesulfonamide,

15 5-cyano-N-[3-(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R or S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-cyano-N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-cyano-N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-cyano-N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

25 5-cyano-N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

N-[3-(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(R or S)-(2-phenethyl)-6-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

30 N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(R)-(2-phenethyl)-6-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(S)-(2-phenethyl)-6-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

35 N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(S)-(2-phenethyl)-6-(3,3,3-

trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(R)-(2-phenethyl)-6-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

5-amino-N-[3-(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R or S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-amino-N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-amino-N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

15 5-amino-N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-(3,3,3-trifluoropropyl)-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

N-[3-(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R or S)-propyl]-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

20 N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(S)-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

25 N-[3-(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-(R)-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]phenyl]-2-pyridinesulfonamide,

5-Trifluoromethyl-N-[3-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,

30 5-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,

5-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,

35 5-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,

4-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-

- dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
- 4-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
- 4-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
- 5 5-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
- 5-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
- 10 5-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
- 5-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
- 15 5-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
- 5-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
- 4-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
- 20 4-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
- 4-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-phenethyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
- 4-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
- 25 4-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
- 4-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
- 4-Trifluoromethyl-N-[3-(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenethyl)-6-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
- 30 5-Trifluoromethyl-N-[3-(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-phenethyl)-6(R or S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
- 5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
- 35

- 6(R)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
5 6(R)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-
phenethyl)-6(R or S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-
10 pyridinesulfonamide,
4-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
6(R)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
15 4-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
6(R)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
4-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-
20 phenethyl)-6(R or S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridine sulfonamide,
5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
6(R)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
25 5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-
6(R)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-
6(S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide,
30 5-Amino-N-[3-(1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-
pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3(R or S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-
phenylethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridine-
sulfonamide,
35 5-Cyano-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-

- 2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-
2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-
5 2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-
2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Cyano-N-[3-(1-[5,6-dihydro-6,6-diisobutyl-4-hydroxy-2-oxo-2H-pyran-3-
ylyl]propyl)phenyl]-2-pyridinesulfonamide,
10 N-[3-(1-[5,6-Dihydro-6,6-diisobutyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-
dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
5-Cyano-N-[3-(1-[5,6-dihydro-6,6-diisobutyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-
2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
N-[3(R or S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R or S)-[2-phenylethyl]-6-
15 propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-
sulfonamide,
N-[3(R)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R)-[2-phenylethyl]-6-propyl-2H-
pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3(R)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(S)-[2-phenylethyl]-6-propyl-2H-
20 pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3(S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R)-[2-phenylethyl]-6-propyl-2H-
pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3(S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(S)-[2-phenylethyl]-6-propyl-2H-
pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
25 5-Cyano-N-[3-(1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-
pyran-3-yl]cyclopropylmethyl)phenyl]-2-pyridinesulfonamide,
5-Amino-N-[3(R or S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-
phenylethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridine-
sulfonamide,
30 5-Amino-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-
propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Amino-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-
propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
5-Amino-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-
35 2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

- 5-Amino-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(R or S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(R)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(S)-(1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(R or S)-(1-[6(R or S)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridine-sulfonamide,
- 5-Amino-N-[3(R)-(1-[6(R)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(R)-(1-[6(S)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(S)-(1-[6(R)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(S)-(1-[6(S)-(2-[4-fluorophenyl]ethyl)-5,6-dihydro-4-hydroxy-2-oxo-6-propyl-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- N-[3(R or S)-(1-[5,6-Dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
- N-[3(R)-(1-[5,6-Dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
- N-[3(S)-(1-[5,6-Dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
- 5-Amino-N-[3(R or S)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(R)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- 5-Amino-N-[3(S)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,

- 5-Cyano-N-[3(*R* or *S*)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- 5-Cyano-N-[3(*R*)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- 5 5-Cyano-N-[3(*S*)-(1-[5,6-dihydro-6,6-dipropyl-4-hydroxy-2-oxo-2H-pyran-3-yl]-2,2-dimethylpropyl)phenyl]-2-pyridinesulfonamide,
- N-[3(*R* or *S*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide,
- 10 N-[3(*R*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide,
- N-[3(*S*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide,
- N-[3(*R* or *S*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-5-cyano-2-pyridinesulfonamide,
- 15 N-[3(*R*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-5-cyano-2-pyridinesulfonamide,
- N-[3(*S*)-(1-[6,6-Bis(2-phenylethyl)-5,6-dihydro-4-hydroxy-2-oxo-2H-pyran-3-yl]propyl)phenyl]-5-cyano-2-pyridinesulfonamide,
- N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl)phenyl]-4-cyanobenzenesulfonamide,
- 20 N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl)phenyl]-8-quinolinesulfonamide,
- N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)propyl)phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide,
- 25 N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)propyl)phenyl]-5-cyanopyridine-2-sulfonamide,
- N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl)phenyl]-5-carbamoylpyridine-2-sulfonamide,
- N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-(4-fluorophenyl)ethyl)-2H-pyran-3-yl)propyl)phenyl]-5-carbamoylpyridine-2-sulfonamide,
- 30 N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl)phenyl]-5-carbamoylpyridine-2-sulfonamide,
- N-[3-(1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl)phenyl]-5-carbamoylpyridine-2-sulfonamide,
- N-[3-(1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R* or *S*)-phenethyl-6-propyl-2H-pyran-3-yl)propyl)phenyl]-5-cyanopyridine-2-sulfonamide,
- 35 N-[3-(1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-phenethyl-6-propyl-2H-pyran-3-

- yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-
yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-
5 yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-
yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R or S)-phenethyl-6-propyl-2H-
pyran-3-yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
10 N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-
yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-
yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-
15 yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-
yl)propyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-
2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,
20 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-
2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R or S)-(2-(4-
fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-
cyanopyridine-2-sulfonamide,
25 N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-(2-(4-fluorophenyl)ethyl)-6-
30 propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R or S)-(2-(4-
fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-
35 imidazole-4-sulfonamide,

N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

5 N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

10 N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-{1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-aminopyridine-2-sulfonamide,

15 N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-aminopyridine-2-sulfonamide,

N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-aminopyridine-2-sulfonamide,

20 N-[3-{1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-1-methyl-1H-imidazole-4-sulfonamide,

25 N-[3-{1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,

N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,

30 N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)-2,2-dimethylpropyl}phenyl]-5-cyanopyridine-2-sulfonamide,

N-[3-{1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl}phenyl]-5-cyanopyridine-2-sulfonamide,

N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl}phenyl]-5-cyanopyridine-2-sulfonamide,

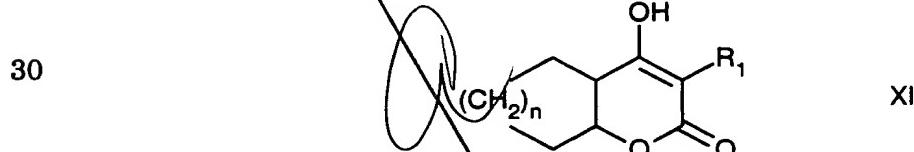
35 N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-

- propyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-
propyl}phenyl]-5-aminopyridine-2-sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-
5 propyl}phenyl]-5-aminopyridine-2-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-
propyl}phenyl]-5-aminopyridine-2-sulfonamide,
N-[3-{1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R* or *S*)-(2-(4-
fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-
10 sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,
15 N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl}phenyl]-5-cyanopyridine-2-sulfonamide,
N-[3-{1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R* or *S*)-(2-(4-
20 fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1*H*-imidazole-4-
sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-
25 propyl-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide,
N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl}phenyl]-1-methyl-1*H*-imidazole-4-sulfonamide,
30 N-[3-{1(*R* or *S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R* or *S*)-(2-(4-
fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-aminopyridine-2-
sulfonamide,
N-[3-{1(*R*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*R*)-(2-(4-fluorophenyl)ethyl)-6-
propyl-2H-pyran-3-yl)propyl}phenyl]-5-aminopyridine-2-sulfonamide,
35 N-[3-{1(*S*)-(4-Hydroxy-5,6-dihydro-2-oxo-6(*S*)-(2-(4-fluorophenyl)ethyl)-6-

- propyl-2H-pyran-3-yl)propyl}phenyl]-5-aminopyridine-2-sulfonamide,
 N-[3-{1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-aminopyridine-2-sulfonamide,
 N-[3-{1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-(2-(4-fluorophenyl)ethyl)-6-propyl-2H-pyran-3-yl)propyl}phenyl]-5-aminopyridine-2-sulfonamide,
 5 propyl-2H-pyran-3-yl)propyl}phenyl]-5-aminopyridine-2-sulfonamide,
 N-[3-[1(S)-[5,6-Dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
 (3S,6R)-N-[3-[1-[5,6,-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
 10 (3S)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
 (3R)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
 (3R)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6-propyl-6-phenethyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
 15 (3R,6S)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6-propyl-6-phenethyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
 (3S,6S)-N-[3-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide.
 20

- s.22.* A compound selected from the group consisting of:
 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)methyl}phenyl]-5-cyanopyridine-2-sulfonamide, and
 N-[3-{1-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-bis(2-phenylethyl)-2H-pyran-3-yl)methyl}phenyl]-5-aminopyridine-2-sulfonamide.
 25

23. A compound of the formula XI



- wherein R₁ is -(CH₂)_p-CH(R₂)-(CH₂)_q-Ar₁;
 35 wherein R₂ is

- a) -C₁-C₅ alkyl, or
- b) -(CH₂)_q-cycloalkyl;

wherein Ar₁ is

- a) phenyl substituted by zero (0) or one (1) R₃, or
- 5 b) phenyl substituted by -meta-NHSO₂Ar₂;

wherein Ar₂ is

- a) phenyl substituted by zero (0) or one (1) R₃, or
- b) het;

wherein het is a 5-, 6- or 7-membered saturated or unsaturated ring containing from

10 one (1) to three (3) heteroatoms selected from the group consisting of nitrogen, oxygen and sulfur; and including any bicyclic group in which any of the above heterocyclic rings is fused to a benzene ring or another heterocycle; substituted by zero (0) or one (1) R₄,

wherein R₃ is

- 15 a) -CN,
- b) -F,
- c) -OH, or
- d) -NO₂;

wherein R₄ is

- 20 a) -CH₃,
- b) -CN,
- c) -OH,
- d) -C(O)OC₂H₅,
- e) -CF₃, or
- 25 f) -NH₂;

wherein n is zero (0) to eight (8), inclusive;

wherein o is zero (0) to three (3), inclusive;

wherein p is zero (0) to three (3), inclusive;

wherein q is zero (0) to three (3), inclusive; or

30 a pharmaceutically acceptable salt thereof.

24. The compound of claim 23

wherein R₁ is -CH(R₂)-Ar₁;

wherein R₂ is

- 35 a) -CH₂-CH₃, or

b) -t-butyl;

wherein Ar₁ is phenyl substituted by -meta-NHSO₂Ar₂;

wherein Ar₂ is 2-pyridinyl substituted by one (1) R₄;

wherein R₄ is

- 5 a) -CN, or
 b) -CF₃;

wherein n is two (2) to four (4) inclusive.

25. The compound of claim 23 selected from the group consisting of

10 5-Cyano-N-[3-[1-(4a,5,6,7,8,8a-hexahydro-4-hydroxy-2-oxo-2H-1-benzopyran-3-yl)propyl]phenyl]-2-pyridinesulfonamide

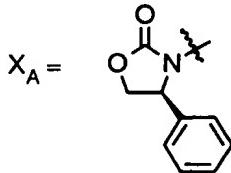
4-Cyano-N-[3-[1-(4a,5,6,7,8,8a-hexahydro-4-hydroxy-2-oxo-2H-1-benzopyran-3-yl)propyl]phenyl]-benzenesulfonamide

15 5-Cyano-N-[3-[1-(2,4a,5,6,7,8,9,9a-octahydro-4-hydroxy-2-oxocyclohepta[b]pyran-3-yl)propyl]phenyl]-2-pyridinesulfonamide, and

5-Cyano-N-[3-[2,2-dimethyl-1-(4a,5,6,7,8,9,10,10a-octahydro-4-hydroxy-2-oxo-2H-cycloocta[b]pyran-3-yl)propyl]phenyl]-2-pyridinesulfonamide.

26. A process for producing a compound of the formula W-10

20



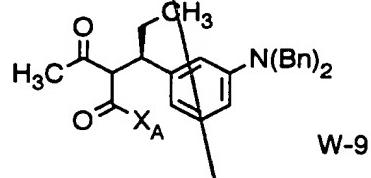
25 wherein R₁ is

- a) n-propyl, or
 b) phenethyl;

which comprises the steps of:

- a) treating a compound of the formula W-9

30



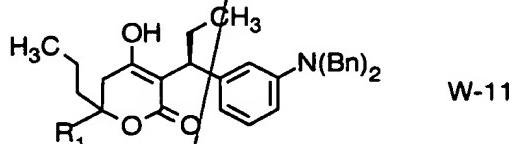
35 wherein X_A is as defined above, with TiCl₄;

- b) treating the product of step a) with an amine base; and
 c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula W-10.

5 27. The process of claim 26 which further comprises the steps of:

- d) treating the compound of formula W-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula W-11

10



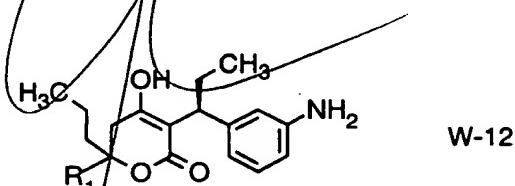
W-11

wherein R₁ is

15

- a) n-propyl, or
 b) phenethyl;
 e) hydrogenating the compound of formula W-11 to obtain the compound of formula W-12

20

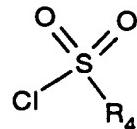


W-12

wherein R₁ is as defined above;

25

- f) treating the compound of formula W-12 with a sulfonyl chloride of formula D-7

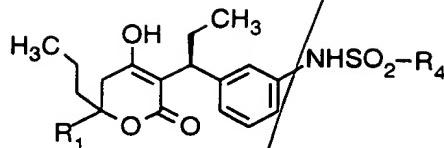


30

wherein R₄ is

35

- a) 5-trifluoromethyl-2-pyridinyl, or
 b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic base to obtain a compound of the formula W-13A



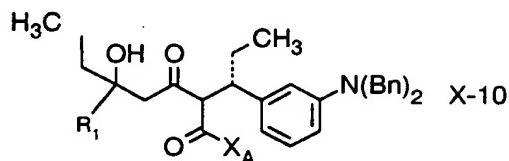
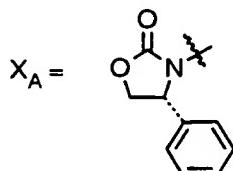
W-13A

5

wherein R_1 is as defined above.

28. A process for producing a compound of the formula X-10

10



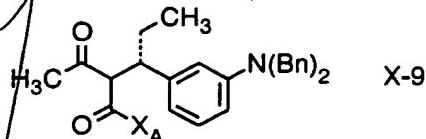
wherein R_1 is

- 15 a) n-propyl, or
 b) phenethyl;

which comprises the steps of:

- a) treating a compound of the formula X-9

20



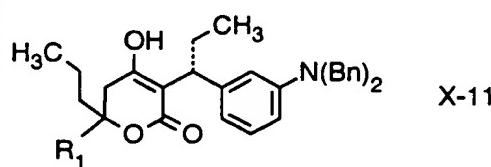
wherein X_A is as defined above, with TiCl_4 ;

- 25 b) treating the product of step a) with an amine base; and
 c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula X-10.

29. The process of claim 28 which further comprises the steps of:

- 30 d) treating the compound of formula X-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula X-11

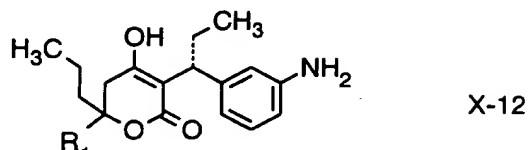
35



wherein R₁ is

- a) n-propyl, or
- b) phenethyl;
- e) hydrogenating the compound of formula X-11 to obtain a compound of

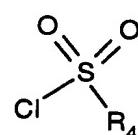
5 formula X-12



10

wherein R₁ is as defined above;

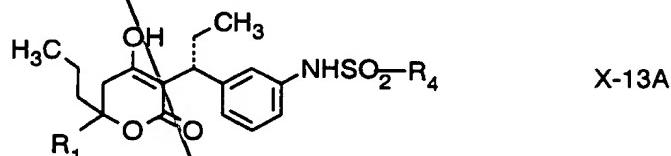
15 f) treating the compound of formula X-12 with a sulfonyl chloride of
formula D-7



wherein R₄ is

- a) 5-trifluoromethyl-2-pyridinyl, or
- b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic base to obtain a compound of the formula X-13A

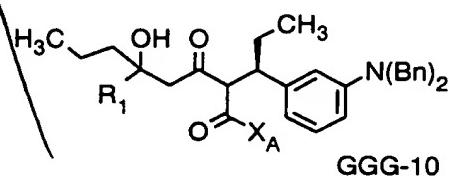
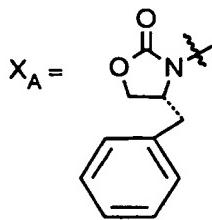
25



wherein R₁ is as defined above.

30

30. A process for producing a compound of the formula GGG-10



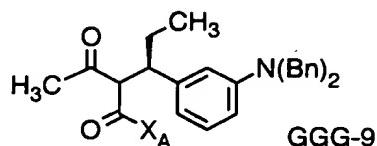
wherein R₁ is

- a) n-propyl, or
- b) phenethyl;

5 which comprises the steps of:

- a) treating a compound of the formula GGG-9

10



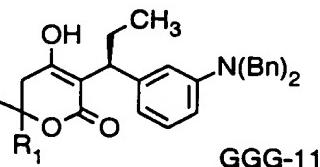
wherein X_A is as defined above, with TiCl₄;

- b) treating the product of step a) with an amine base; and
- c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula GGG-10.

31. The process of claim 30 which further comprises the steps of:

- d) treating the compound of formula GGG-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula GGG-11

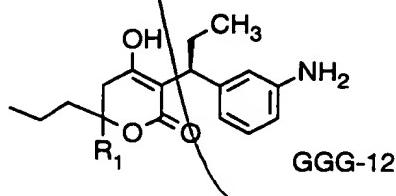
20



25 wherein R₁ is

- a) n-propyl, or
- b) phenethyl;
- e) hydrogenating the compound of formula GGG-11 to obtain a compound of formula GGG-12

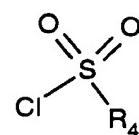
30



35 wherein R₁ is as defined above;

f) treating the compound of formula GGG-12 with a sulfonyl chloride of formula D-7

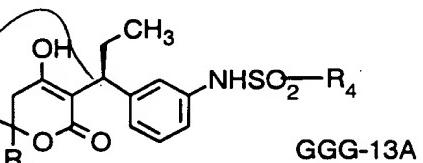
5



wherein R_4 is

- 10 a) 5-trifluoromethyl-2-pyridinyl, or
b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic base to obtain a compound of the formula GGG-13A

15

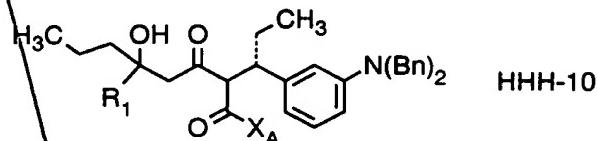
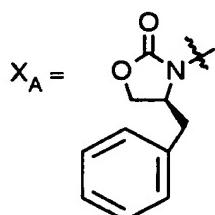


GGG-13A

wherein R_1 is as defined above.

20

32. A process for producing a compound of the formula HHH-10



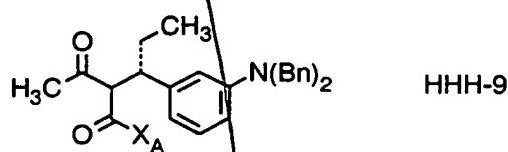
25 wherein R_1 is

- a) n-propyl, or
b) phenethyl;

which comprises the steps of:

- a) treating a compound of the formula HHH-9

30



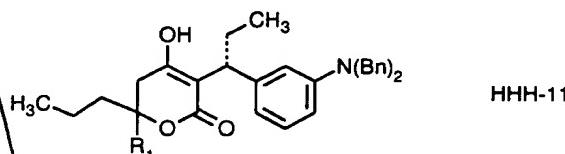
35 wherein X_A is as defined above, with TiCl_4 ;

b) treating the product of step a) with an amine base; and
 c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula HHH-10.

5 33. The process of claim 32 which further comprises the steps of:

d) treating the compound of formula HHH-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula HHH-11

10

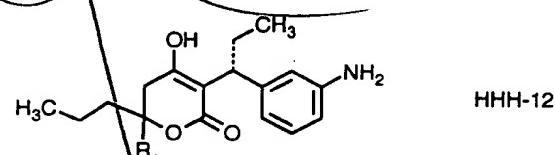


wherein R₁ is

15

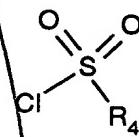
- a) n-propyl, or
- b) phenethyl;
- e) hydrogenating the compound of formula HHH-11 to obtain a compound of formula HHH-12

20



wherein R₁ is as defined above;

f) treating the compound of formula HHH-12 with a sulfonyl chloride of formula D-7

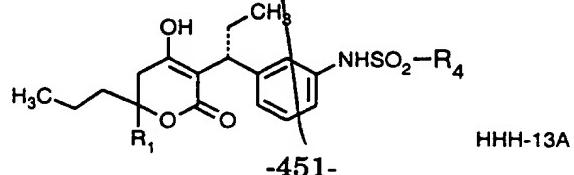


wherein R₄ is

30

- a) 5-trifluoromethyl-2-pyridinyl, or
- b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic base to obtain a compound of the formula HHH-13A

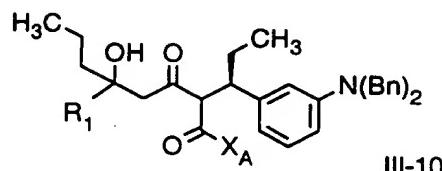
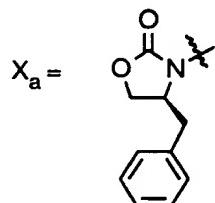
35



wherein R_1 is as defined above.

34. A process for producing a compound of the formula III-10

5



10

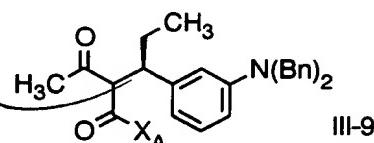
wherein R_1 is

- a) n-propyl, or
- b) phenethyl;

which comprises the steps of:

15 a) treating a compound of the formula III-9

20



wherein X_A is as defined above, with TiCl_4 ;

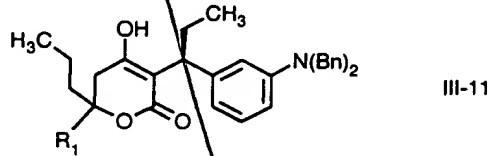
- b) treating the product of step a) with an amine base; and
- c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula III-10.

25

35. The process of claim 34 which further comprises the steps of:

- d) treating the compound of formula III-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula III-11

30

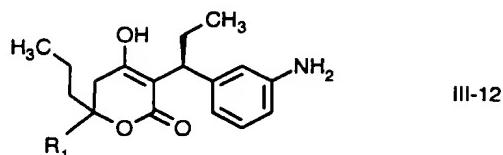


wherein R_1 is

- 35 a) n-propyl, or

- b) phenethyl;
 e) hydrogenating the compound of formula III-11 to obtain a compound of
formula III-12

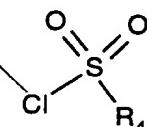
5



wherein R_1 is as defined above;

- 10 f) treating the compound of formula III-12 with a sulfonyl chloride of
formula D-7

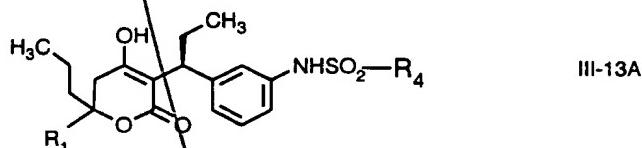
15



wherein R_4 is

- a) 5-trifluoromethyl-2-pyridinyl, or
 b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic
 20 base to obtain a compound of the formula III-13A

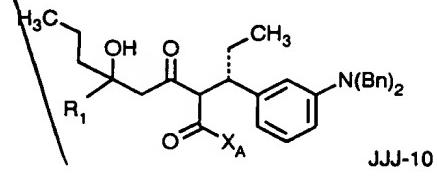
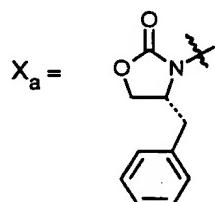
25



wherein R_1 is as defined above.

36. A process for producing a compound of the formula JJJ-10

30



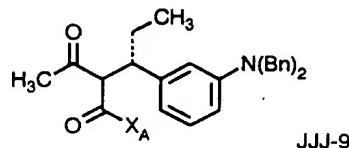
35

wherein R_1 is

- a) n-propyl, or
- b) phenethyl;

which comprises the steps of:

- 5 a) treating a compound of the formula JJJ-9



10

wherein X_A is as defined above, with $TiCl_4$;

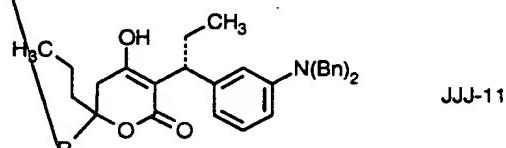
- b) treating the product of step a) with an amine base; and
- c) reacting the product of step b) with 4-heptanone or 1-phenyl-3-hexanone to yield the compound of formula JJJ-10.

15

37. The process of claim 36 which further comprises the steps of:

- d) treating the compound of formula JJJ-10 with sodium hydride or potassium t-butoxide to obtain a compound of formula JJJ-11

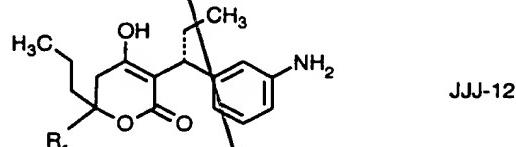
20



wherein R_1 is

- 25 a) n-propyl, or
 b) phenethyl;
 e) hydrogenating the compound of formula JJJ-11 to obtain a compound of formula JJJ-12

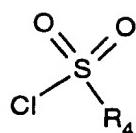
30



wherein R_1 is as defined above;

- 35 f) treating the compound of formula JJJ-12 with a sulfonyl chloride of

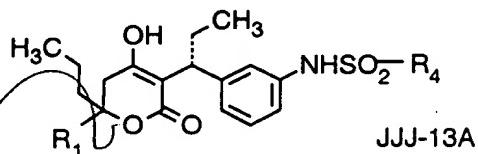
formula D-7



wherein R4 is

- a) 5-trifluoromethyl-2-pyridinyl, or
- b) 5-cyano-2-pyridinyl, in an organic solvent in the presence of an organic

10 base to obtain a compound of the formula JJJ-13A



wherein R1 is as defined above.

38. The compound of claim 20

20 wherein R2 is

- a) $\text{H}_3\text{C}-(\text{CH}_2)_2-$, or
- b) phenyl- $(\text{CH}_2)_2-$;

wherein R3 is the moiety of formula X;

wherein R6 is

- 25
- a) $\text{H}_3\text{C}-(\text{CH}_2)_2-$, or
 - b) phenyl- $(\text{CH}_2)_2-$;

wherein R7 is

- a) $\text{H}_3\text{C}-\text{CH}_2-$, or
- b) t-butyl;

30 wherein R9 is $-\text{NHSO}_2-\text{het}$;

wherein het is the following, substituted by one (1) R10,

- a) imidazol-4-yl, or
- b) 2-pyridinyl;

wherein R10 is,

- 35
- a) $-\text{CH}_3$,

- b) -CN, or
c) -CF₃.

39. The compound of claim 38 selected from the group consisting of:
- 5 5-Trifluoromethyl-N-[3-(R or S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide;
- 10 5-Trifluoromethyl-N-[3-(R)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3R)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
- 15 5-Trifluoromethyl-N-[3-(S)-[1-[4-hydroxy-2-oxo-6,6-di-n-propyl-5,6-dihydro-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3S)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6,6-dipropyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
- 20 5-Trifluoromethyl-N-[3(R or S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R or S)-(2-phenethyl)-6(R or S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridine sulfonamide;
- 25 5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-6(R)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide;
- 30 5-Trifluoromethyl-N-[3(R)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-6(S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3R,6S)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6-propyl-6-phenethyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
- 35 5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(R)-(2-phenethyl)-6(R)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3S,6R)-N-[3-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
- 40 5-Trifluoromethyl-N-[3(S)-[1-[5,6-dihydro-4-hydroxy-2-oxo-6(S)-(2-phenethyl)-6(S)-n-propyl-2H-pyran-3-yl]-propyl]-phenyl]-2-pyridinesulfonamide; or (3S,6S)-N-[3-[1-[5,6-dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
- 45 N-[3-[1-(S)-[5,6-Dihydro-4-hydroxy-2-oxo-6-(2-phenylethyl)-6-propyl-2H-pyran-3-yl]propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
- 50 (3R)-N-[3-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6-propyl-6-phenethyl-2H-pyran-3-yl)propyl]phenyl]-5-(trifluoromethyl)-2-pyridinesulfonamide
- 55 N-[3(R or S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R or S)-[2-phenylethyl]-6-

propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3(R)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R)-[2-phenylethyl]-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

5 N-[3(R)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(S)-[2-phenylethyl]-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3(S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(R)-[2-phenylethyl]-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

10 N-[3(S)-[1-(5,6-Dihydro-4-hydroxy-2-oxo-6(S)-[2-phenylethyl]-6-propyl-2H-pyran-3-yl)-2,2-dimethylpropyl]phenyl]-1-methyl-1H-imidazole-4-sulfonamide;

N-[3-(1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl]phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-(1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl]phenyl]-5-cyanopyridine-2-sulfonamide;

15 N-[3-(1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6,6-dipropyl-2H-pyran-3-yl)-propyl]phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-(1(R or S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R or S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide;

20 N-[3-(1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-(1(R)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide;

N-[3-(1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(R)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide; and

25 N-[3-(1(S)-(4-Hydroxy-5,6-dihydro-2-oxo-6(S)-phenethyl-6-propyl-2H-pyran-3-yl)propyl]phenyl]-5-cyanopyridine-2-sulfonamide.